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PRODUCE NEW GRINDERS, LATHES

NEW GRINDER FOR BEARING RACES -- Vechernyaya Moskva, No 13, 16 Jan 50

A new internal grinder is now being tested at the Moscow Grinder Plant. Designed and built in a short time, it is intended for grinding bearing races and will be sent to the 1st State Bearing Plant imeni L. M. Kaganovich.

EXPENSIVE MACHINE-TOOL EXPOSITION -- Vechernyaya Moskva, No 23, 27 Jan 50

The Ministry of Machine-Tool Building USSR is preparing an exhibition of metal-cutting machine tools. Enterprises in Kolomna, Minsk, Kharkov, and Moscow were sent letters asking that their machine tools be represented at the exhibition.

The Moscow Grinder Plant had to send two machines. One of them was a surface grinder which is 10 meters long and weighs 30 tons. A gantry crane would be required to transport this machine.

It was not possible to transport this machine in one piece over a distance of 18 kilometers. Five skilled fitters and ten riggers worked a whole week to dismantle this machine. Finally, the pieces were loaded on a trailer and dispatched to the exhibition building; however, when they arrived, the doors of the building were too small to permit passage. The trailer, with its cargo, returned to the plant.

It would seem wiser to forego demonstrating this heavy machine, but the organizers of the exhibition are people with iron characters and will not retreat at the first obstacle which arises. They have decided to get the machine tool there by building low sleds -- thus persistently pushing the mountain toward Mohammed.

According to the most modest calculations, the exhibition of this grinder will cost the plant 50,000 rubles. Specialists estimate that the cost of the entire exhibition under such circumstances would pay for 120-140 series-produced metal-cutting machine tools.

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ELECTRIC SURFACE TEMPERING OF SPINDLES -- Vechernyaya Moskva, No 38, 14 Feb 50

The Moscow Grinder Plant (Glukharev, director) has had many concrete results from its 2 years of close cooperation with the Moscow Machine-Tool and Tool Institute imeni I. V. Stalin. As a result of this collaboration, the plant has started electric surface tempering of spindles.

HEAVY GRINDER NEARS COMPLETION -- Leningradskaya Pravda, No 12, 14 Jan 50

The Machine-Tool Building Plant imeni Molotov is completing a large, high-duty grinder to be used in machining Diesel locomotive axles. The plant is at present turning out new cylindrical grinders for automatic transfer machine lines in truck and tractor plants.

PRODUCES LATHE CHUCKS AND AIR CYLINDERS -- Trud, No 23, 27 Jan 50

The Moscow Attachments Plant of the Ministry of Machine-Tool Building makes 320- and 400-millimeter-diameter, type TP lathe chucks, and revolving air cylinders having diameters of 150, 200, 300 and 400 millimeters. The air cylinder operates under air pressure up to 6 kilograms per square centimeter. -- Advertisement

REVIEWS PLANT'S 1949 ERRORS, ACCOMPLISHMENTS -- Moskovskiy Bol'shevik, No 15, 18 Jan 50

Errors and oversights committed at the Krasnyy proletariy Plant in 1949 are being taken into consideration while plans are laid for 1950.

First of all, the labor consumption in producing the 1A62 machine tools was not duly considered. This new high-speed universal lathe, put into series production last year, has twice the power capacity and number of spindle revolutions of the DIP-20M which was produced earlier. More judgment should have been exercised before beginning production of such a complex machine.

This costly oversight was the cause of many difficulties. The plant did not fulfill its production quotas during July, September, and November. Only the wide sweep of socialist competition and creative initiative made possible the completion of the year program.

Methods of cutting new hard alloys and a new improved geometry of hard-alloy cutters has been developed. A three-position electric-spark machine for making chip-curling grooves has been designed and produced. Tapered mills for high-speed milling have been introduced. -- A. Vorob'yev, director

BUILDS NEW LATHES -- Pravda Ukrainy, No 21, 25 Jan 50

The Moscow Machine-Tool Plant imeni Ordzhonikidze has manufactured experimental models of new multispindle and single-spindle semiautomatic lathes.

OPERATES DAY, NIGHT SHIFT -- Vechernyaya Moskva, No 21, 25 Jan 50

The Moscow Machine-Tool Plant imeni Ordzhonikidze operates on a day and night shift.

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MACHINE-TOOL PLANT IMPROVES TECHNIQUES -- Izvestiya, No 17, 20 Jan 50

At the Tula Machine Tool Plant spiral thread-cutting is now done by a special attachment on an ordinary lathe. This method permits an operator to work five times as fast as under the customary procedure. The quality of the product obtained is faultless.

One year ago, there was only a handful of workers employing high-speed methods; today, there are 1,500.

PRAISES, SCORES MACHINE-BUILDING PLANT -- Zarya Vostoka, No 12, 17 Jan 50

Among new techniques and improved production methods introduced during 1949 at the Tbilisi Machine-Building Plant imeni 26 komissarov were chill casting of cast iron and vortical (vikhrovaya) cutting of a number of parts. Several special high-production attachments were designed. Production of the UKR-49 loom was begun.

However, the application of high-speed cutting and milling of metals is progressing slowly, laborious processes are being mechanized inadequately, and conversion of a number of parts to hot forming, which would increase labor productivity, is slow.

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